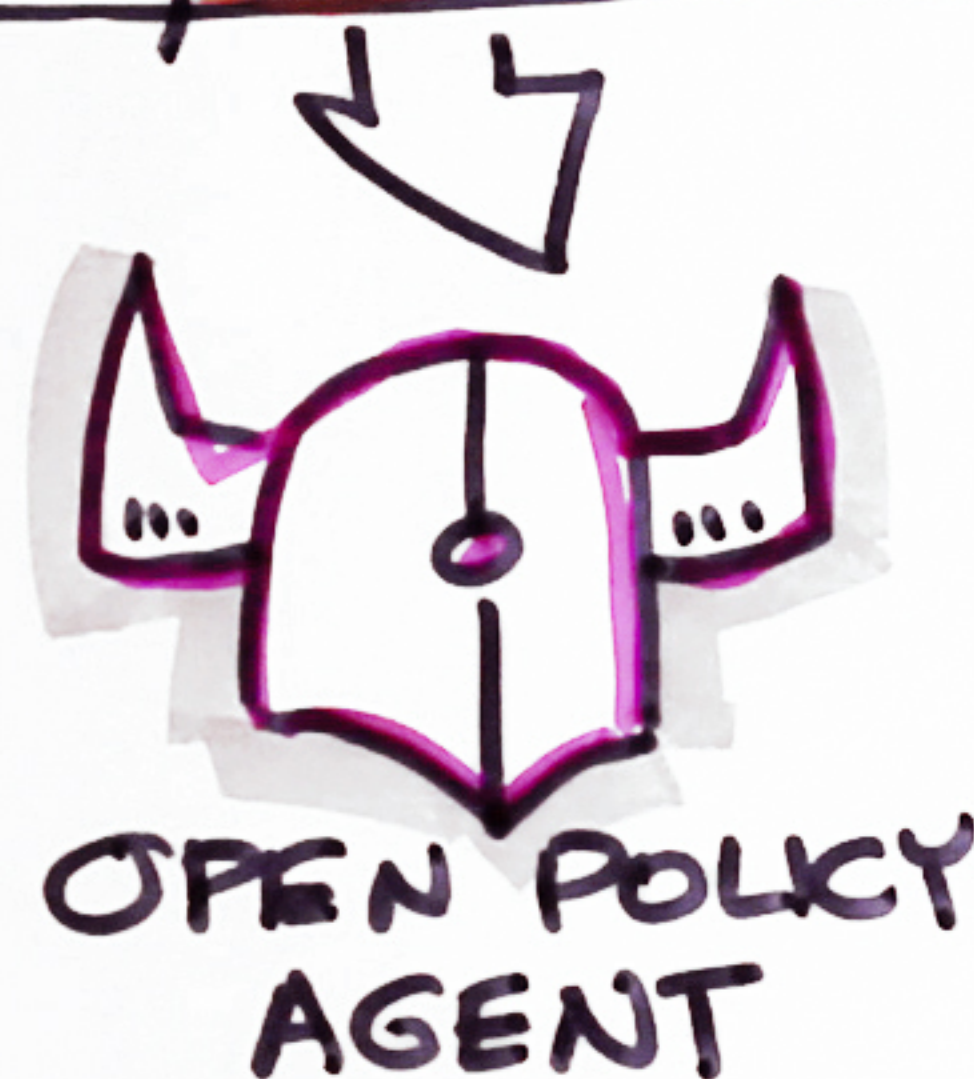
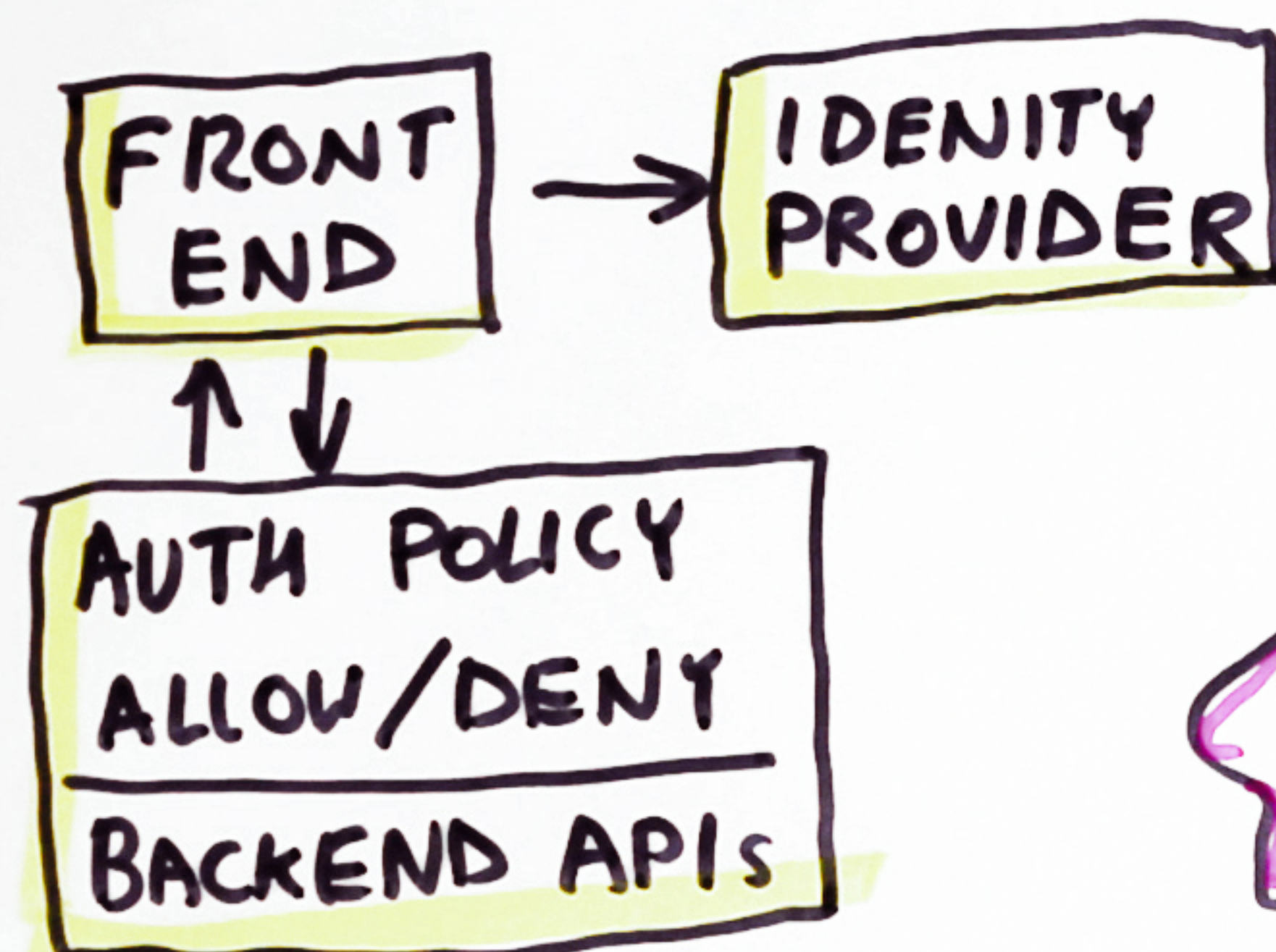


IMPLEMENTING POLICY AS CODE THROUGH OPEN POLICY AGENT

MARUDHAMARAN
GUNASEKARAN



DEMO



WHY CONSIDER POLICY AS CODE?

- DOCUMENTATION
- AUTOMATION
- VERSIONING



- ### INTEGRATING OPA WITH YOUR APP
- CREATE INPUT FOR OPA
 - QUERY OPA
 - CHECK ALLOW/DENY

OPA MAKES THE POLICY DECISION SERVICE ENFORCES THE POLICY DECISION

→ TREAT POLICY AS A SEPARATE CONCERN JUST LIKE DATABASES, MESSAGING, MONITORING, LOGGING...

POLICY as CODE

- IT GETS CHECKED INTO THE CODE REPOSITORY
- VERSIONED AS ITS MODIFIED
- RESULTS IN PROPER TRACEABILITY OF HOW THINGS CAME TO BE

OPA DOES NOT KNOW WHETHER THE SERVICE IS KUBERNETES, OR PYTHON FLASK API, OR SSH, OR DOCKER. AS LONG AS THE INPUT IS JSON & RESPONDS WITH A JSON OUTPUT



POLICY VERIFICATIONS / CHECKING AS THE SOFTWARE IS BUILT, ARE AUTOMATED & BECOME REPRODUCIBLE THROUGH THE REGO SCRIPTS